


<b>SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS</b> <b>OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, &amp; 30</b>				1. REQUISITION NUMBER PR-ORD-21-00492		PAGE OF 1 2							
2. CONTRACT NO. 68HERC20D0028			3. AWARD/ EFFECTIVE DATE		4. ORDER NUMBER 68HERC21F0113		5. SOLICITATION NUMBER 68HERC21Q0054						
							6. SOLICITATION ISSUE DATE 02/04/2020						
7. <b>FOR SOLICITATION INFORMATION CALL:</b>		a. NAME Pradeepkumar Kandambath				b. TELEPHONE NUMBER (No collect calls) (513) 487-2038		8. OFFER DUE DATE/LOCAL TIME ET					
9. ISSUED BY ITAD US Environmental Protection Agency 109 T.W. Alexander Drive Mail Code: AA005 Research Triangle Park NC 27709				CODE ITAD		10. THIS ACQUISITION IS <input type="checkbox"/> UNRESTRICTED OR <input checked="" type="checkbox"/> SET ASIDE: 100.00 % FOR: <input checked="" type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS WOMEN-OWNED SMALL BUSINESS <input type="checkbox"/> (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM <input type="checkbox"/> EDWOSB NAICS: 541715 SIZE STANDARD: 1,000							
11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input checked="" type="checkbox"/> SEE SCHEDULE		12. DISCOUNT TERMS		<input type="checkbox"/> 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		13b. RATING			14. METHOD OF SOLICITATION <input type="checkbox"/> RFQ <input type="checkbox"/> IFB <input checked="" type="checkbox"/> RFP				
15. DELIVER TO NCCT RTP 2 US Environmental Protection Agency Computational Toxicology (NCCT) 4930 Page Road Durham NC 27709				CODE NCCT RTP 2		16. ADMINISTERED BY CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				CODE CAD			
17a. CONTRACTOR/ OFFEROR		CODE 078410758		FACILITY CODE		18a. PAYMENT WILL BE MADE BY RTP FMC				CODE			
BioSpyder Technologies, Inc. Attn: JOEL MCCOMB PO BOX 402 RANCHO SANTA FE CA 92067						RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711							
TELEPHONE NO. 8585197010													
<input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER						<input type="checkbox"/> 18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED <input type="checkbox"/> SEE ADDENDUM							
19. ITEM NO.		20. SCHEDULE OF SUPPLIES/SERVICES				21. QUANTITY		22. UNIT		23. UNIT PRICE		24. AMOUNT	
0001		DUNS Number: 078410758 TOCOR: David Murphy Delivery: 120 Days After Receipt Of Order Period of Performance: 06/23/2020 to 06/22/2025  Biospyder IDIQ contract 68HERC20D0028, Internal tracking #7. Targeted RNA-Seq (i.e. Tempo-Seq) analysis of cell lysates and purified RNA samples prepared at the USEPA CCTE laboratory. A total of 270 physical samples will be submitted to BioSpyder for Tempo-Seq analysis. These samples (Use Reverse and/or Attach Additional Sheets as Necessary)										40,786.20	
25. ACCOUNTING AND APPROPRIATION DATA See schedule								26. TOTAL AWARD AMOUNT (For Govt. Use Only) \$40,786.20					
<input type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA								<input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.					
<input type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4, FAR 52.212-5 IS ATTACHED. ADDENDA								<input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.					
<input type="checkbox"/> 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED.								<input type="checkbox"/> 29. AWARD OF CONTRACT: _____ OFFER DATED _____. YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:					
30a. SIGNATURE OF OFFEROR/CONTRACTOR						31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)   ELECTRONIC SIGNATURE							
30b. NAME AND TITLE OF SIGNER (Type or print)				30c. DATE SIGNED		31b. NAME OF CONTRACTING OFFICER (Type or print) Mark Cranley				31c. DATE SIGNED 02/11/2021			

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	<p>will be analyzed by BioSpyder twice for a total of 540 TempO-Seq analyses</p> <p>Accounting Info:  20-21-C-26B1000-000FK9XR5-2532-26A5C-2126B1E019-00  1 BFY: 20 EFY: 21 Fund: C Budget Org: 26B1000  Program (PRC): 000FK9XR5 Budget (BOC): 2532 Cost:  26A5C DCN - Line ID: 2126B1E019-001  Funding Flag: Complete  Funded: \$0.00</p> <p>Accounting Info:  20-21-C-26B1000-000FK9XR6-2532-26A5C-2126B1E019-00  2 BFY: 20 EFY: 21 Fund: C Budget Org: 26B1000  Program (PRC): 000FK9XR6 Budget (BOC): 2532 Cost:  26A5C DCN - Line ID: 2126B1E019-002  Funding Flag: Complete  Funded: \$40,786.20</p>				

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED    ☐ INSPECTED    ☐ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: \_\_\_\_\_

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE		32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE			32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
			32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
33. SHIP NUMBER	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT	37. CHECK NUMBER
<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL			<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	
38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY		
41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT			42a. RECEIVED BY ( <i>Print</i> )	
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		41c. DATE	42b. RECEIVED AT ( <i>Location</i> )	
			42c. DATE REC'D (YY/MM/DD)	42d. TOTAL CONTAINERS

## **ATTACHMENT 1**

### **INDEFINITE DELIVERY / INDEFINITE QUANTITY: 68HERC20D0028**

#### **Internal Tracking Number #7**

#### **TASK ORDER #68HERC21F0 – TBD**

The purpose of this document is to provide technical direction for BioSpyder to perform targeted RNA-Seq (i.e. TempO-Seq) analysis of cell lysates generated at the USEPA CCTE laboratory. The resulting data will be used by CCTE scientists to determine the effects of reference chemicals on gene expression in a human-derived cell line (e.g. **HepaRG\_2D**).

**#68HERC21F0 – TBD** A total of 270 physical samples will be submitted to BioSpyder for TempO-Seq analysis. These samples will be analyzed by BioSpyder twice for a **total of 540 TempO-Seq analyses**:

- Once using a HepaRG\_2D cell type-specific attenuated version of the human whole transcriptome v2 assay to a target depth of 3M total mapped reads and,
- Once using the human S1500+ v2 assay to a target depth of 0.86 M total mapped reads.

The samples will be supplied to BioSpyder in a series of barcoded 384-well microtiter plate with one sample per well. The total number of samples is inclusive of 10 reference samples installed on every plate by CCTE in order to monitor TempO-Seq assay performance. While the experiment will be performed and samples will be arrayed 384-well format, not all wells on each plate will contain genetic material for TempO-Seq analysis. CCTE will direct BioSpyder which wells to sample and will ensure that the samples are arrayed in the 384-well plate in manner compatible with BioSpyder's sample processing workflows.

BioSpyder will consult with the CCTE staff regarding which version of the whole transcriptome assay will be used prior to sequencing any of the samples included on this Task Order.

The timeline for provision of the data from the samples will be discussed with BioSpyder and should not exceed 60 days past the receipt of samples unless approved by CCTE staff.

COR:

Sandra Roberts  
109 TW Alexander Drive  
Research Triangle Park, NC 27709  
Email: [Roberts.sandra@epa.gov](mailto:Roberts.sandra@epa.gov)  
Phone (919-541-3850) or (919-667-3435)

The BioSpyder sequencing data should be provided to:

Joshua A. Harrill  
109 TW Alexander Drive  
Research Triangle Park, NC 27709  
Email: [harrill.joshua@epa.gov](mailto:harrill.joshua@epa.gov)  
Phone: (919)541-0646

Pricing below is based on the pricing table included in the BPA:

(b)(4)

